

David Conrad

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EDUCATION

Northeastern University, San Jose, CA
MS Computer Science

September 2025 - May 2027 (Current)

Indiana University Southeast, New Albany, IN
BA General Studies, Minor Informatics

2014 - 2020

4.0 / 4.0

FULL STACK SOFTWARE ENGINEER - 4+ YOY

AHEAD Chicago, IL (Remote)

September 2022 - March 2025

Software Developer

- **Mentored** Junior Developer in integrating security software **analytics API**, providing guidance on design and best practices, resulting in **successful integration**. *PHP, External API, Laravel, Vue.js*
- Developed BigPanda AI analytics dashboard, processing **1B+ records** from **AWS S3** into **MongoDB**, then creating a client-facing portal dashboard. Led to **improved client confidence** and new opportunities to upsell alert-reduction solutions. *S3, MongoDB, Laravel, Vue.js, Splunk, and Highcharts.js*.
- Redesigning **Front End** of a client-facing portal, working closely with designers, stake holders, and other engineers to deliver a modern, professional UI that directly contributed to **increased managed services sales**. *Figma, Vue.js*
- Integrated **Google Maps API** to create a validation module used in the **backend**. The module validates **10,000+ addresses** across **1 billion dollars of sales**, reducing errors on shipments. *Postgres SQL, Laravel*

Florida SouthWestern State College, Fort Myers, FL

November 2020 - September 2022

Software Developer

- Modernized the Schedule Search functionality on Class Schedule Search, collaborating with a team to significantly enhance user experience and accessibility. Used by **20,000 students** each semester
[Class Schedule Search](#)
- Maintained and updated fsw.edu ensuring the site remained current.

Ethicon Inc, Cornelia, GA

2015 - 2016

Quality Engineering Co-Op

- Observed an FDA audit of Ethicon Inc, gaining exposure to compliance processes
- Supported product validation efforts, ensuring quality standards and specifications were met.
- Assisted in preparing and organizing non-conformance reports, supporting the identification and resolution of quality issues.

PORTFOLIO

Paramount+ Clone: Built a full-stack Paramount+ streaming service clone using Vue.js and Django, containerized with Docker, and deployed across AWS (Amplify, App Runner, RDS, S3, Route 53, VPC, Secrets Manager).

[Paramount+ Clone](#)

Class Schedule Search: Developed a campus schedule search tool for Florida SouthWestern State College that let students quickly find and filter classes by term, instructor, and availability.

[Class Schedule Search](#)

Personal Portfolio (davidscottconrad.com): Designed and deployed a personal portfolio site on AWS Amplify showcasing professional projects, resume downloads, and live demos.

[davidscottconrad.com](#)

LEADERSHIP AND CLUBS AT NORTHEASTERN

Founder, Leetcode Club

- Built a collaborative environment where students improved coding and interview performance through structured weekly practice and mentorship.

AI and Data Club

- Participated in event about Artificial Intelligence led by Northeastern Alumni from Amazon Web Services
- Participated in AI themed Hackathon

Algorithmic Interactive Gaming Club

- Collaborated with other team members to create simulation software of algorithms with 3D graphics

TECHNICAL SKILLS

Languages & Frameworks: Python, Django, PHP, Laravel, JavaScript, React, Next.js, Vue, CSS, Tailwind, Bootstrap, GraphQL, Elixir, Angular, Object Oriented Programming Languages, C++, C

Databases: PostgreSQL, MongoDB, MySQL, SQL, NoSQL

Cloud Services: AWS, Third-Party REST APIs, S3, ECS, Github, GitLab, BitBucket

Tools: Microsoft Visual Studio, Git, HashiCorp Vault, Linux, GitHub, Bitbucket, Jira, Agile methodologies, Docker, Kubernetes, CI/CD Pipelines, Vulkan, Pytorch